

# Converting Colors

$Yxy(85.3706, 0.3062, 0.3260)$

Have a look what the booklet for  
Yxy(85.3706, 0.3062, 0.3260)  
contains.

|  |    |
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# Color

**Yxy(85.2996, 0.3063, 0.3259)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E8EFF2                     |
| RGB         | 232, 239, 242              |
| RGB Percent | 91%, 94%, 95%              |
| CMY         | 0.0903, 0.0627, 0.0509     |
| CMYK        | 0.04, 0.01, 0.00, 0.05     |
| HSL         | 198°, 28%, 93%             |
| HSV         | 198°, 4%, 95%              |
| XYZ         | 80.1696, 85.2996, 96.2663  |
| YIQ         | 237.2490, -5.1350, -0.5510 |

# Conversions

## Conversions Part 2

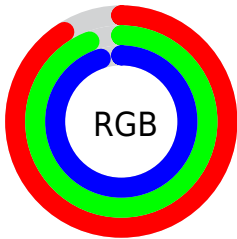
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 232, 236, 242                |
| Decimal                             | 15265778                     |
| CIE Lab                             | 94.01, -1.77, -2.28          |
| CIE LCh                             | 94, 2.887, 232.157           |
| Yxy                                 | 85.2996, 0.3063,<br>0.3259   |
| Android<br>(android.graphics.Color) | 4293455858<br>(0xFFE8EFF2)   |
| YUV                                 | 237.2490, 2.3422,<br>-4.6034 |
| Hunter-Lab                          | 92.3578, -6.6823,<br>2.8513  |

# Details

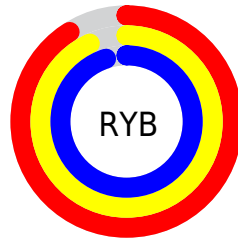
The Yxy color **85.2996, 0.3063, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1226, 0.3194, 0.3321**, and the grayscale version is **84.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6422, 0.3045, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **77.3554, 0.2908, 0.3179**, and if you desaturate by 10%, it is **93.7557, 0.3209, 0.3331**.

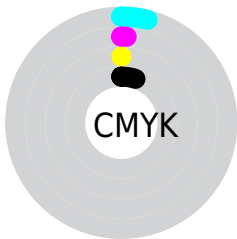
# Distribution



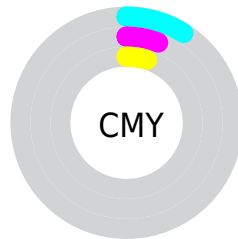
- Red (91%)
- Green (94%)
- Blue (95%)



- Red (91%)
- Yellow (93%)
- Blue (95%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (6%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2996, 0.3063, 0.3259 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.2996, 0.3063, 0.3259 by changing the saturation by 10% instead.



85.2996, 0.3063,  
0.3259

85.2996, 0.3063,  
0.3259

512.6189, 0.3092,  
0.3273

64.0890, 0.3057,  
0.3256

140.7917, 0.3073,  
0.3264

46.7227, 0.3049,  
0.3252

175.8419, 0.3077,  
0.3266

32.8165, 0.3039,  
0.3247

216.2741, 0.3080,  
0.3267

21.9859, 0.3026,  
0.3241

262.4728, 0.3083,  
0.3269

13.8466, 0.3010,  
0.3233

314.8221, 0.3086,  
0.3270

8.0140, 0.2987,  
0.3221

373.7067, 0.3088,

4.1039, 0.2952,

0.3271

439.5108, 0.3090,  
0.3272

0.3203

1.7319, 0.2894,  
0.3173

0.4442, 0.2585,  
0.3030

85.2996, 0.3063,  
0.3259

85.2996, 0.3063,  
0.3259

77.3554, 0.2908,  
0.3179

93.7557, 0.3209,  
0.3331

70.1121, 0.2754,  
0.3091

98.2733, 0.3204,  
0.3401

63.5469, 0.2604,  
0.2995

99.1926, 0.3203,  
0.3415

57.6318, 0.2463,  
0.2892

■ 52.3364, 0.2333,  
0.2784

■ 47.6271, 0.2218,  
0.2671

■ 43.4666, 0.2121,  
0.2556

■ 39.8118, 0.2044,  
0.2441

■ 36.6104, 0.1987,  
0.2327

# Harmonies

## Analogous

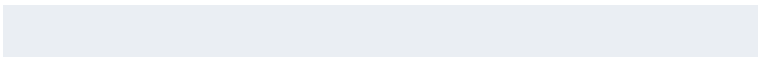
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2996, 0.3072, 0.3287



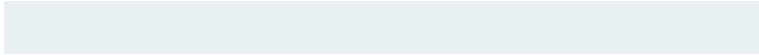
85.2996, 0.3063, 0.3259



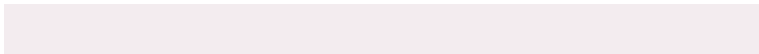
85.2996, 0.3071, 0.3239

# Triad

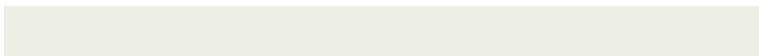
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2996, 0.3063, 0.3259



85.2996, 0.3159, 0.3264



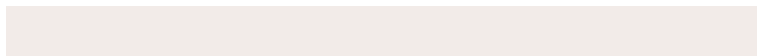
85.2996, 0.3160, 0.3347

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



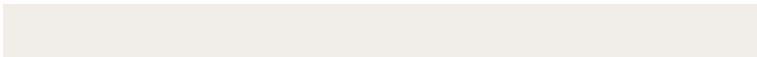
85.2996, 0.3063, 0.3259



84.1226, 0.3194, 0.3321

# Split Complementary

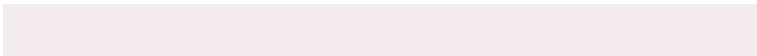
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2996, 0.3183, 0.3341



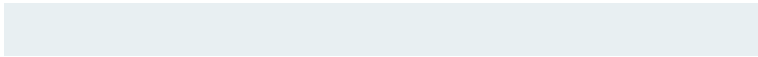
85.2996, 0.3063, 0.3259



85.2996, 0.3183, 0.3293

# Square

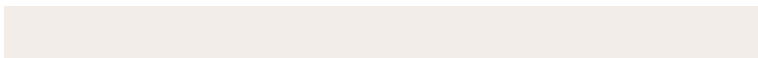
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



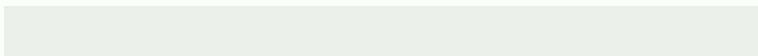
85.2996, 0.3063, 0.3259



85.2996, 0.3127, 0.3243



85.2996, 0.3192, 0.3321



85.2996, 0.3128, 0.3338

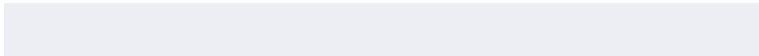


# Rectangle

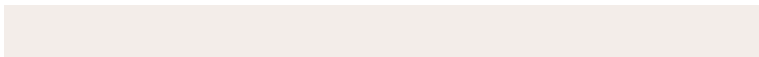
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2996, 0.3063, 0.3259



85.2996, 0.3086, 0.3234



85.2996, 0.3192, 0.3321



85.2996, 0.3169, 0.3347

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.3032, 0.3063, 0.3259



99.0317, 0.3112, 0.3283



86.6721, 0.3104, 0.3362



21.2071, 0.3112, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3032, 0.3063, 0.3259



95.2416, 0.3050, 0.3252



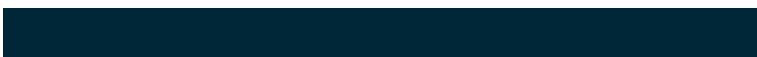
82.4029, 0.3064, 0.3207



17.7244, 0.3039, 0.3247



18.9964, 0.1967, 0.2280



1.7536, 0.2008, 0.2429



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.8152, 0.3151, 0.3219



91.8889, 0.3156, 0.3204



87.0394, 0.3190, 0.3371



17.0173, 0.3160, 0.3193



11.7110, 0.4147, 0.2058

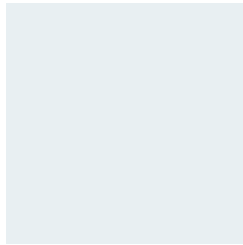


0.9917, 0.3994, 0.1974



# Previews

## White Background



This preview shows how the Yxy color 85.2996, 0.3063, 0.3259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

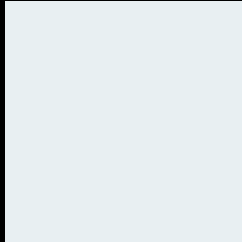
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2996, 0.3063, 0.3259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

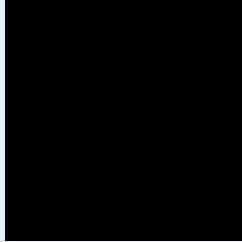
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

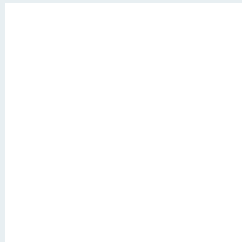
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2996, 0.3063, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2996, 0.3063, 0.3259.

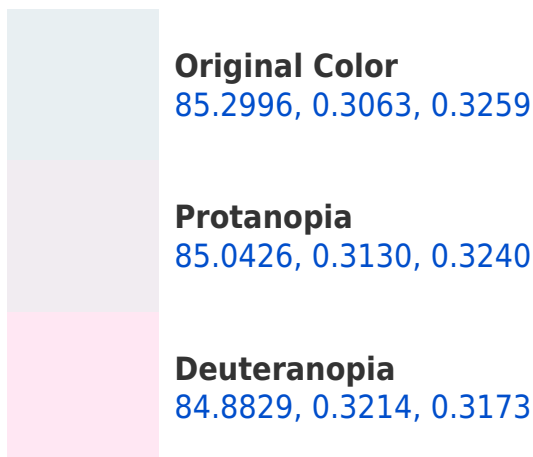


This preview shows how white text looks on a background with the Yxy color 85.2996, 0.3063, 0.3259.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

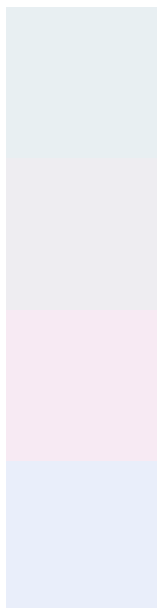




## Tritanopia

85.2808, 0.2999, 0.3109

# Trichromacy



## Original Color

85.2996, 0.3063, 0.3259

## Protanomaly

85.0964, 0.3109, 0.3250

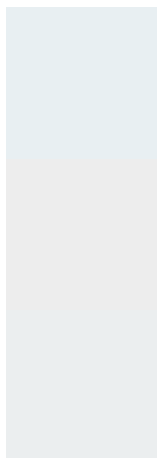
## Deuteranomaly

85.0909, 0.3158, 0.3201

## Tritanomaly

85.3748, 0.3022, 0.3169

# Monochromacy



## Original Color

85.2996, 0.3063, 0.3259

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.0432, 0.3101, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2996, 0.3063, 0.3259 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 239, 242)` looks like.

```
.text, #text, p{  
    color:rgb(232, 239, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 239, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 239, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2996, 0.3063, 0.3259 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 239, 242) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 239, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 239, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 239, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 239, 242);  
box-shadow:4px 4px 4px 4px rgb(232, 239,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2996, 0.3063, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 239, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
239, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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